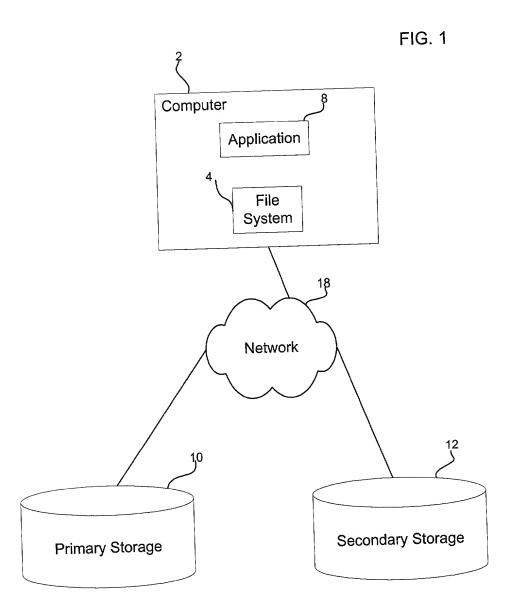
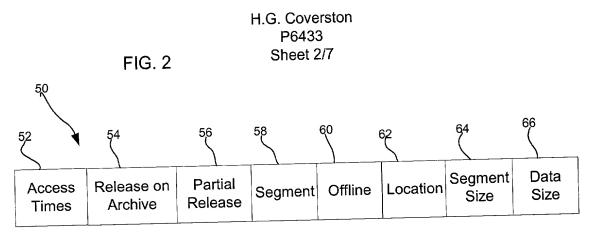
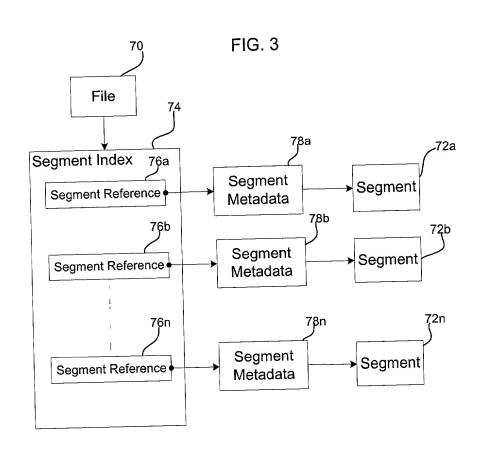
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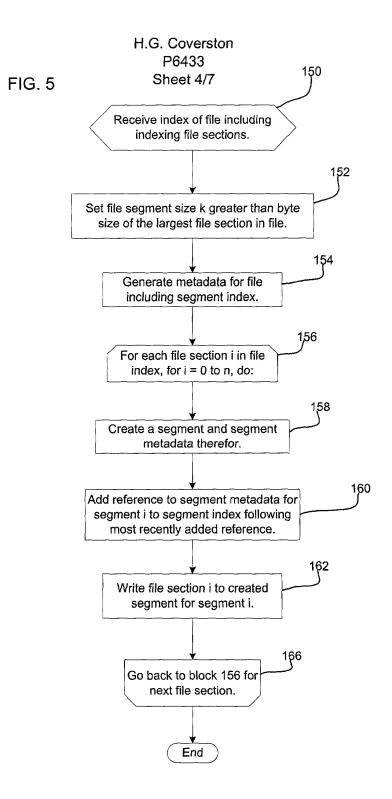




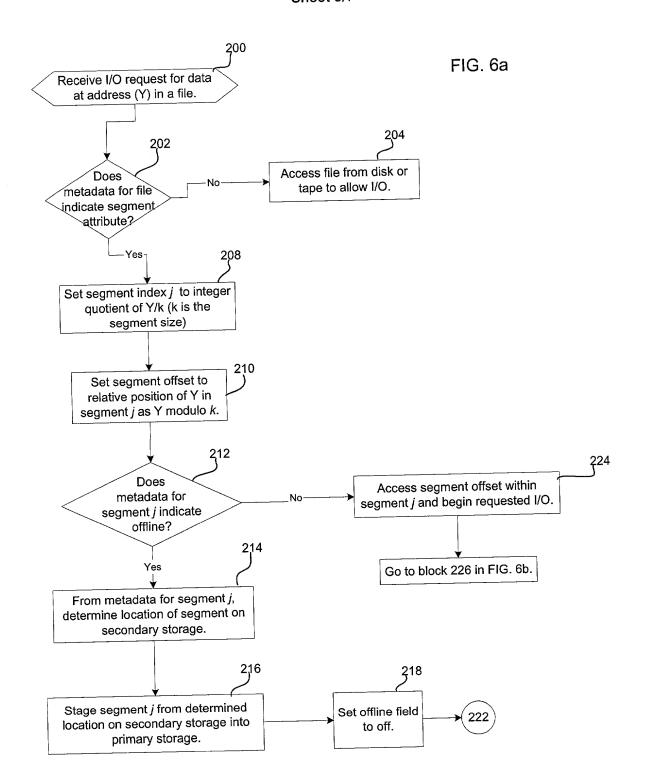
File Metadata



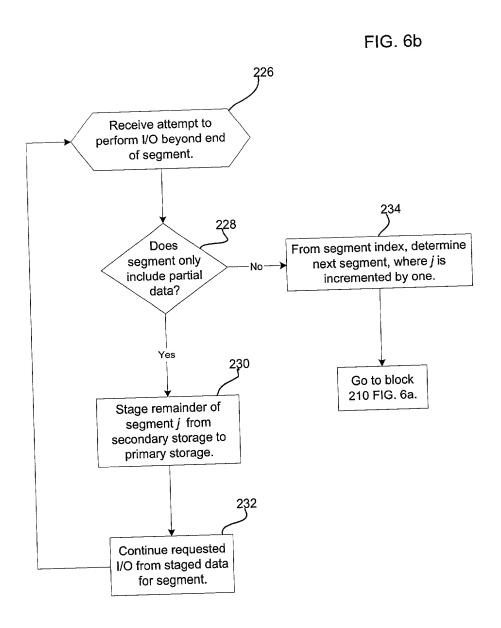
H.G. Coverston P6433 Sheet 3/7 Receive block of data to store 1,00 at address (Y) in a file that uses segments. 104 FIG. 4 Set segment i to integer quotient of Y/k, where k is the segment size. 106 Create segment i and segment metadata therefor. Set start location to relative offset within segment i, which is Y modulo K. 112 No Add reference to segment 108 metadata for segment i to Does segment index. segment i exist? 114 Yes 118 Use segment index to access metadata for segment i to determine location of segment i. Write received data not yet written from start location to 116 end of segment i. Yes Does data not yet written exceed Increment i to i + Length from start location to end of segment i? 124 122 Perform blocks Does No 110 and 112 to segment i 124 create exist? segment i. Write remaining received data from start location to Yes end of segment i Set start location to beginning segment i. End



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H.G. Coverston P6433 Sheet 6/7



P6433 Sheet 7/7 FIG. 7 File Segment Index 72n 72a 72b segment segment segment Primary Storage File System 31,2 Tape Drive 31,4a 314b Tape Drive 314c Tape Drive 314d Tape Drive 31,6b 3,16c 31,6d 31,6a 3 4 2 5 7 6 6 9 10 11 10 13 15 16 14 Secondary Storage

H.G. Coverston